

# ABSTRACT

A method of making a coding for images with a two-pass  
encode or a pre-analysis, wherein the control is taken so  
that code quantity is suitably given to a buffer for  
5 coding. An image coding device that makes a compression  
and coding for moving images, comprising means for: pre-  
analyzing images, which exist in a constant interval,  
prior to making a coding for the images that were input to  
observe characteristics of each image; based on said  
10 observed characteristics, estimating complexity degrees of  
the images; based on said estimated complexity degrees,  
allocating code quantity to the images in a constant  
interval, of which the head is the image that was not  
coded yet, to compute target code quantity of each image  
15 for all images in the above interval; calculating a  
transition of occupancy in a buffer for coding within said  
interval of said code in assigning said computed target  
code quantity to each of said images to regulate the  
target code quantity so that the buffer for coding does  
20 not give rise to an overflow or an underflow; and making a  
compression and coding for the images, which were not  
coded yet, according to said regulated target code  
quantity.

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